L Number	Hits	Search Text	DB	Time stamp
1	6235	(428/402,328,323).CCLS.	USPAT;	2004/02/20 15:17
			US-PGPUB	
2	137	((428/402,328,323).CCLS.) and white near2	USPAT; US-PGPUB;	2004/02/20 15:28
		light	EPO; JPO;	
			DERWENT;	
			IBM TDB	
3	137	((428/402,328,323).CCLS.) and white near2	USPAT;	2004/02/20 15:28
		(emission light)	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
4	45	((428/402,328,323).CCLS.) and white near2	USPAT;	2004/02/20 15:28
		(emission light) and (trap void microcavity)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
5	6	(nanoparticle).bi. and (trap vacancy	<pre>IBM_TDB USPAT;</pre>	2004/02/20 15:40
3	0	impurity) same (red and green).bi.	US-PGPUB;	2004/02/20 15:40
			EPO; JPO;	
		·	DERWENT;	
		(IBM_TDB	0004/05/55
6	176	<pre>(nanoparticle).bi. and (white near2 (emission light)).bi.</pre>	USPAT;	2004/02/20 15:40
		(emission light).bl.	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
7	25	(nanoparticle).bi. same (white near2	USPAT;	2004/02/20 15:41
		(emission light)).bi.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
8	16	(nanoparticle).bi. same (white near2	USPAT;	2004/02/20 15:41
		(emission light)).bi. and (efficiency).bi.	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
9	2	(nanoparticle).bi. same (white near2	USPAT;	2004/02/20 15:41
		(emission light)).bi. and (efficiency).bi.	US-PGPUB;	
		same white	EPO; JPO;	
			DERWENT; IBM_TDB	
_	30	6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/15 10:22
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
_	1148553	5260957.pn. 5244828.pn. 5229320.pn. WO 99/50916	IBM_TDB EPO;	2003/03/03 18:29
		, 	DERWENT	-003,03,03 10.29
-	0	99/50916	EPO;	2003/03/03 18:29
	_	1100/5001611	DERWENT	0000/00/00 =======
-	0	"99/50916"	EPO; DERWENT	2003/03/03 18:30
_	3	"9950916"	EPO;	2003/03/03 18:30
			DERWENT	1111, 32, 33 10.30
-	6	"9950916" "9614206"	EPO;	2003/03/03 18:31
		 	DERWENT	0000 (00 (55 55 55
-	4 0	"9950916" "9614206" "WO9950916" "WO9614206"	DERWENT EPO	2003/03/03 18:31 2003/03/03 18:31
-	2	"9950916" "9614206"	EPO	2003/03/03 18:31
-	15	6033972.pn. 6005707.pn. 5989947.pn.	USPAT	2003/03/05 13:21
		5937295.pn. 5904994.pn. 5882779.pn.		
		5703896.pn. 5614435.pn. 5613140.pn.		
		5482890.pn. 5442254.pn. 5354707.pn. 5260957.pn. 5244828.pn. 5229320.pn.		
_	1	smith-christine-a.in. lee-howard-w-h.in.	USPAT;	2003/08/14 15:00
	-		US-PGPUB;	-505, 05, 14 15.00
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

Page 1

-	17	`	USPAT;	2003/08/14 18:22
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	
		5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn.	EPO; JPO;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	DERWENT; IBM TDB	
		("9950916" "9614206")	1514_155	
_	5		USPAT;	2003/03/03 19:03
-		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	2003, 03, 03 13:03
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
•		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM TDB	
		("9950916" "9614206")) and nanocrystal	_	
-	0	((6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/03/03 19:03
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
		("9950916" "9614206")) and nanocrystal and		
		trap		
-	4	1 ' '	USPAT;	2003/03/03 19:04
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
	-	5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
		("9950916" "9614206")) and nanocrystal and (dopant doped doping)		
_	177		USPAT;	2003/03/04 13:01
	1		US-PGPUB;	
			EPO; JPO;	
		·	DERWENT;	
			IBM TDB	
-	28	nanocrystal and trap and white and red and	USPAT;	2003/03/04 13:08
		green	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	22		USPAT;	2003/03/04 13:16
		and red and green	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
l _	22	nanocrystal and trap and white with light	IBM_TDB USPAT;	2003/03/04 13:32
		and red and green	US-PGPUB;	2003,03,01 13.32
		ana 200 ana 5200n	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	22		USPAT;	2003/03/04 13:29
1		and red and green) and white with light and	US-PGPUB;	
		green and red	EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000/05/55 55
-	130	quantum adj dot with nanocrystal	USPAT;	2003/03/04 13:29
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
l _	2	(myantum add dots nanogrestal) and white	IBM_TDB USPAT;	2003/03/04 13:33
-	4	(quantum adj dots nanocrystal) and white with light and red same trap and green same	US-PGPUB;	2003/03/04 13:33
	1	trap	EPO; JPO;	
	1		DERWENT;	
	1		IBM TDB	
_	2	(quantum adj dots nanocrystal) and white	USPAT;	2003/03/04 15:07
	1	with light and red same trap and green same	US-PGPUB;	
	1	trap	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	4	(quantum adj dots nanocrystal) and white	USPAT;	2003/03/04 17:15
		with light and red same (impurity trap) and	US-PGPUB;	
1		green same (impurity trap)	EPO; JPO;	
			DERWENT;	
L	L		IBM_TDB	

76	(quantum adj dots nanocrystal) with (ZnSe Zinc adj selenide)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/03/04 15:18
- 29	(quantum adj dots nanocrystal) with (ZnSe Zinc adj selenide) and white with light	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/03/04 15:19
- 3	(quantum adj dots nanocrystal) with (ZnSe Zinc adj selenide) and ((white with light).ab. (white with light).ti. (white with light).clm.)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 15:44
- 0	((quantum adj dots nanocrystal) with (ZnSe Zinc adj selenide) and ((white with light).ab. (white with light).ti. (white with light).clm.)) and (vacancies selenium)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 15:38
- 93	vacancy with trap	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 15:38
- 35	(6033972.pn. 6005707.pn. 5989947.pn. 5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn. 5260957.pn. 5244828.pn. 5229320.pn.) or ("9950916" "9614206")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/04 15:40
- 17	(6033972.pn. 6005707.pn. 5989947.pn. 5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn. 5260957.pn. 5244828.pn. 5229320.pn.) or ("9950916" "9614206")	USPAT; EPO	2003/03/05 15:53
- 1	((6033972.pn. 6005707.pn. 5989947.pn. 5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn. 5260957.pn. 5244828.pn. 5229320.pn.) or ("9950916" "9614206")) and (vacancy impurity)	USPAT; EPO	2003/03/04 15:40
- 0	((quantum adj dots nanocrystal) with (ZnSe Zinc adj selenide) and ((white with light).ab. (white with light).ti. (white with light).clm.)) and (trap vacancy impurity)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 15:44
- 14	(quantum adj dots nanocrystal) and ((white with light).ab. (white with light).ti. (white with light).clm.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/04 16:30
- 0 8	6501091.URPN. ("5260957" "5293050" "5354707" "5422489" "5505928" "5585640" "5613140" "5751018").PN.	USPAT USPAT	2003/03/04 16:11 2003/03/04 16:12
- 1	(("5260957" "5293050" "5354707" "5422489" "5505928" "5585640" "5613140" "5751018").PN.) and white with light	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 16:30
- 57	(quantum adj dots nanocrystal) and white with light and (trap impurity vacancy)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/04 19:03

-	62	(quantum adj dots nanocrystal	USPAT;	2003/03/04 17:20
		nanocrystalline) and white with light and	US-PGPUB;	
		(trap impurity vacancy)	EPO; JPO; DERWENT;	
			IBM TDB	
_	5541	white with light and (trap impurity vacancy)	USPAT:	2003/03/04 17:21
	3311	white with right and (crap imparity vacancy)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	62		USPAT;	2003/03/04 19:00
	ļ	nanocrystalline) and white with light and	US-PGPUB;	
		(trap impurity vacancy)) and white with	EPO; JPO;	
		light and (trap impurity vacancy)	DERWENT; IBM TDB	
	68356	("313").CLAS.	USPAT;	2003/03/04 19:01
	00330	(JIS) . CLEID .	US-PGPUB;	2003, 03, 01 13:01
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	30	((313/\$).CCLS.) and phosphor with trap	USPAT;	2003/03/05 15:34
			US-PGPUB;	
	!		EPO; JPO;	
			DERWENT;	
_	62	 (quantum adj dots nanocrystal	IBM_TDB USPAT;	2003/03/04 19:03
	02	nanocrystalline) and white with light and	US-PGPUB;	2000,00,04 19.00
		(trap impurity vacancy)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	62	(quantum adj dots nanocrystal	USPAT;	2003/03/04 19:06
		nanocrystalline) and white with light and	US-PGPUB;	
		(trap impurity vacancy)	EPO; JPO;	
	1		DERWENT; IBM_TDB	}
_	62	 (quantum adj dots nanocrystal	USPAT;	2003/03/04 19:04
	-	nanocrystalline) and white with light and	US-PGPUB;	
		(trap impurity vacancy)	EPO; JPO;	1
			DERWENT;	
			IBM_TDB	
-	5541	white with light and (trap impurity vacancy)	USPAT;	2003/03/04 19:06
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	62	white with light and (trap impurity vacancy)	USPAT;	2003/03/04 19:06
		and ((quantum adj dots nanocrystal	US-PGPUB;	
		nanocrystalline) and white with light and	EPO; JPO;	
		(trap impurity vacancy))	DERWENT;	
		white with light and from decords	IBM_TDB	2002/02/04 12 2:
-	62	white with light and (trap impurity vacancy) and ((quantum adj dots nanocrystal	USPAT; US-PGPUB;	2003/03/04 19:34
		nanocrystalline) and white with light and	EPO; JPO;	
		(trap impurity vacancy))	DERWENT;	
			IBM_TDB]
-	31	,	USPAT;	2003/03/05 08:51
		Selenide) same (nanocrystals nanocrystalline	US-PGPUB;	
		nanocrystallite quantum adj dot)	EPO; JPO;	
1			DERWENT;	
1_	30	 white adj light and (ZnSe Zinc adj Selenide)	IBM_TDB USPAT;	2003/03/05 08:53
1		same (nanocrystals nanocrystalline	US-PGPUB;	2003/03/03 08:33
		nanocrystallite quantum adj dot)	EPO; JPO;	į
1			DERWENT;	ļ
			IBM_TDB	
-	9	white adj light same (nanocrystals	USPAT;	2003/03/05 11:02
		nanocrystalline nanocrystallite quantum adj	US-PGPUB;	[
		dot) and (ZnSe Zinc adj Selenide) same	EPO; JPO;	
1		(nanocrystals nanocrystalline nanocrystallite quantum adj dot)	DERWENT; IBM TDB	
L	L	manoelyscallice quantum adj doci	T T T T T D B	

			_	
-	9		USPAT;	2003/03/05 11:03
		nanocrystalline nanocrystallite quantum adj	US-PGPUB;	
		dot) and (ZnSe Zinc adj Selenide) same	EPO; JPO;	
		(nanocrystals nanocrystalline	DERWENT;	!
		nanocrystallite quantum adj dot)	IBM_TDB	2002/02/05 12 22
-	6		USPAT;	2003/03/05 12:32
		nanocrystalline nanocrystallite quantum adj dot) and (ZnSe Zinc adj Selenide) same	US-PGPUB; EPO; JPO;	
		(nanocrystals nanocrystalline	DERWENT;	
		nanocrystallite quantum adj dot)) and	IBM TDB	
		quantum adj confinement	1511_155	
_	1	I	USPAT	2003/03/05 12:37
_	1	I	USPAT	2003/03/05 12:33
-	3	_	USPAT	2003/03/05 14:12
-	3		USPAT	2003/03/05 12:38
	İ	(blue violet uv ultraviolet)		
-	3		USPAT	2003/03/05 12:39
		(blue violet uv ultraviolet) and white	İ	
j -	2	The second of the second of	USPAT	2003/03/05 13:07
		(blue violet uv ultraviolet) and white and		
		trap (307220 mm) and	IIODam	2002/02/05 52 55
_	3	(6501091.pn. 6322901.pn. 6207229.pn.) and efficiency	USPAT	2003/03/05 13:09
_	0	1	USPAT	2003/03/05 13:18
		(percent "%")	USFAI	2003/03/03 13:18
_	9	1 -	USPAT;	2003/03/05 13:20
		light same efficiency same (percent "%")	US-PGPUB;	2003, 03, 03 13:20
		gas came caracters tame (porcone s ,	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	(quantum adj dot nanocrystal) and white with	USPAT;	2003/03/05 13:20
		light same efficiency same (percent "%")	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(4	USPAT;	2003/03/05 13:20
		nanocrystallite) and white with light same	US-PGPUB;	
		efficiency same (percent "%")	EPO; JPO;	
			DERWENT; IBM TDB	
	15	6033972.pn. 6005707.pn. 5989947.pn.	USPAT	2003/03/05 13:21
		5937295.pn. 5904994.pn. 5882779.pn.		
		5703896.pn. 5614435.pn. 5613140.pn.		
		5482890.pn. 5442254.pn. 5354707.pn.		
		5260957.pn. 5244828.pn. 5229320.pn.		
-	467107		USPAT	2003/03/05 13:21
-	1	(6033972.pn. 6005707.pn. 5989947.pn.	USPAT	2003/03/05 13:21
		5937295.pn. 5904994.pn. 5882779.pn.		
		5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn.		
		5260957.pn. 5244828.pn. 5229320.pn.) and		
		white and efficiency	i	
-	1763		USPAT;	2003/03/05 15:35
	1		US-PGPUB;	
]		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
 -	91	2 (USPAT;	2003/03/05 15:37
j i		red) same phosphor	US-PGPUB;	
			EPO; JPO;	
	[i		DERWENT;	
]_	54	crystal with (nanometer nm) and (green and	IBM_TDB	2002/02/05 15:27
	54	red) same phosphor and matrix	USPAT; US-PGPUB;	2003/03/05 15:37
		===, same prospriot and mactin	EPO; JPO;	
			DERWENT;	
]		IBM TDB	
-	13	crystal with (nanometer nm) same matrix and	USPAT;	2003/03/05 15:38
		(green and red) same phosphor	US-PGPUB;	
			EPO; JPO;	
]			DERWENT;	
L	L		IBM_TDB	

		_		
-	17	1	USPAT; EPO	2003/08/15 16:40
		5937295.pn. 5904994.pn. 5882779.pn.		
		5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn.		
İ		5260957.pn. 5244828.pn. 5229320.pn.) or		
		("9950916" "9614206")		
_	3	((6033972.pn. 6005707.pn. 5989947.pn.	USPAT; EPO	2003/03/05 16:00
		5937295.pn. 5904994.pn. 5882779.pn.		, ,
		5703896.pn. 5614435.pn. 5613140.pn.		
	İ	5482890.pn. 5442254.pn. 5354707.pn.		
		5260957.pn. 5244828.pn. 5229320.pn.) or		
	711	("9950916" "9614206")) and green and red dispersants same (nanocrystal crystal)	USPAT; EPO	2002/02/05 16.02
<u>-</u>	/11		USPAT; EPO	2003/03/05 16:02 2003/03/05 16:01
-	68383		USPAT;	2003/03/05 16:01
		(US-PGPUB;	,,
			EPO; JPO;	
			DERWENT;	
		(("")	IBM_TDB	
-	108	(("313").CLAS.) and dispersant	USPAT;	2003/03/05 16:02
	İ		US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	((("313").CLAS.) and dispersant) and	USPAT;	2003/03/05 16:02
		dispersant same (crystal) same (nanometer	US-PGPUB;	
		nm)	EPO; JPO;	
			DERWENT;	
	_	///#212#\ OT 7C \ and dispersors\ and	IBM_TDB	2002/02/05 26 02
-	1	((("313").CLAS.) and dispersant) and dispersant same (crystal)	USPAT; US-PGPUB;	2003/03/05 16:02
		dispersant same (crystal)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	40		USPAT; EPO	2003/03/05 16:03
		white with light		
-	7	dispersants same (nanocrystal crystal) and	USPAT; EPO	2003/03/05 16:15
		white with light and efficiency and (percent "%")		
	11	(nanocrystal nanocrystalline nanocrystallite	USPAT; EPO	2003/03/05 16:28
		quantum adj dot crystal with (nanometer nm))	001111, 210	2003,03,03 10.20
		and white adj light and efficiency near3		
		(percent "%")		
-	12	(nanocrystal nanocrystalline nanocrystallite	USPAT; EPO	2003/03/05 16:29
		quantum adj dot (crystalline crystal) with		
		(nanometer nm)) and white adj light and		
_	1	efficiency near3 (percent "%") ((nanocrystal nanocrystalline	USPAT; EPO	2003/03/05 16:38
	-	nanocrystallite quantum adj dot (crystalline	331111, EE	
		crystal) with (nanometer nm)) and white adj		
		light and efficiency near3 (percent "%"))		
		not ((nanocrystal nanocrystalline		
		nanocrystallite quantum adj dot crystal with		
		<pre>(nanometer nm)) and white adj light and efficiency near3 (percent "%"))</pre>		
_	1697	((313/500) or (313/501) or (313/113) or	USPAT;	2003/03/05 16:38
		(438/962)).CCLS.	US-PGPUB;	
			EPO; JPO;	
	.		DERWENT;	
			IBM_TDB	
-	1	smith-christine-a.in. lee-howard-w-h.in.	USPAT;	2003/08/14 15:02
		•	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	1	smith-christine-a.in. lee-howard-w-h.in.	USPAT;	2003/08/14 16:41
			US-PGPUB;	i
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

-	1274	nanocrystal	USPAT;	2003/08/14 16:42
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	į
			IBM TDB	
_	6	nanocrystal same white adj light	USPAT;	2003/08/14 16:43
		manoery bank white any right	US-PGPUB;	2003/00/11 10:45
			EPO; JPO;	
			1	
			DERWENT;	
	_		IBM_TDB	
-	9	nanocrystal same white near3 light	USPAT;	2003/08/14 16:50
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
			IBM_TDB	İ
-	2	6005707.pn.	USPAT;	2003/08/14 16:50
		-	US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
			IBM TDB	
	1	6005707.pn.	1 —	2002/08/14 16:50
_	_	8005707.pn.	USPAT;	2003/08/14 16:50
1	1		US-PGPUB;	
1			EPO; JPO;	
			IBM_TDB	
-	0	6005707.pn. and white	USPAT;	2003/08/14 16:59
			US-PGPUB;	
	1		EPO; JPO;	
			IBM TDB	
_	1	5904994.pn.	USPAT;	2003/08/14 16:59
	_	33013311, p.1.	EPO; JPO;	2003/00/14 10:33
			IBM TDB	
1_	1	5904994.pn. and white with light	_	2002/00/14 17 17
-	*	1 3904994.pii. and white with right	USPAT;	2003/08/14 17:17
			EPO; JPO;	
	_		IBM_TDB	
-	1	5904994.pn. and white with light and blue	USPAT;	2003/08/14 17:32
			EPO; JPO;	
	1		IBM_TDB	
-	0	5904994.pn. and ".ANG."	USPAT;	2003/08/14 17:32
		-	EPO; JPO;	,
			IBM TDB	
-	1	5904994.pn. and "ANG"	USPAT;	2003/08/14 17:50
	_	Control Pint and Care	EPO; JPO;	2003,00,11 17.30
_	1	5904994 pp. and (blue uv ultraviolet)	IBM_TDB	2002/08/14 17:50
_	1	5904994.pn. and (blue uv ultraviolet)	USPAT;	2003/08/14 17:50
			EPO; JPO;	
			IBM_TDB	
_	1		USPAT;	2003/08/14 17:55
		\$4crystal\$5	EPO; JPO;	
			IBM_TDB	l i
-	1	5904994.pn. and (blue uv ultraviolet) with	USPĀT;	2003/08/14 18:00
		\$4crystal\$5	EPO; JPO;	
		_	IBM TDB	
-	0	5904994.pn. and quantum adj confinement	USPAT;	2003/08/14 18:01
			EPO; JPO;	====,==,==,==
			IBM TDB	
_	1	 5904994.pn. and (red green)	_	2002/08/14 18:01
	1	Journal of the discussion	USPAT;	2003/08/14 18:01
			EPO; JPO;	
		(6000000 600500	IBM_TDB	
_	35	(6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/15 16:40
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM TDB	
1		("9950916" "9614206")	-	
-	33	(6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/14 18:23
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	= 100, 00, 11 10.23
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
]		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
1		5260957.pn. 5244828.pn. 5229320.pn.) or ("WO		
			IBM_TDB	
L		9950916" "WO 9614206")		

-	4	("WO 9950916" "WO 9614206")	USPAT; US-PGPUB;	2003/08/14 18:24
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	0	WO009614206.DID.	USPAT; US-PGPUB;	2003/08/14 18:24
			EPO; JPO;	
			DERWENT; IBM TDB	
-	0	WO009614206A1.DID.	USPAT;	2003/08/14 18:24
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	2	((6033972.pn. 6005707.pn. 5989947.pn.	IBM_TDB USPAT;	2003/08/14 18:25
		5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	2003, 00, 21 20:23
		5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn.	EPO; JPO; DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
_	1	("9950916" "9614206")) AND (impurity trap) ((6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/14 18:43
	1	5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	2003,00,11 10:13
		5703896.pn. 5614435.pn. 5613140.pn. 5482890.pn. 5442254.pn. 5354707.pn.	EPO; JPO; DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
		("9950916" "9614206")) AND (impurity trap) and (blue ultraviolet uv) near5 light		
-	24	kamen-dean.in.	USPAT;	2003/08/14 19:07
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	11	\$5crystal\$5 same (nanometer nm "ANG") and	IBM_TDB USPAT;	2003/08/14 19:09
		white near3 light and (trap impurity) same (red and green)	US-PGPUB; EPO; JPO;	
		(red and green)	DERWENT;	
_	11	\$5crystal\$5 same (nanometer nm "ANG"	IBM_TDB USPAT;	2003/08/14 19:14
		nanocrystal) and white near3 light and (trap	US-PGPUB;	2000, 00, 21 23:21
		impurity) same (red and green)	EPO; JPO; DERWENT;	
		45 (12 VG	IBM_TDB	0000/00/14 10 16
_	1	\$5crystal\$5 same (nanometer nm "ANG" nanocrystal) and white near3 light and (trap	USPAT; US-PGPUB;	2003/08/14 19:16
		impurity) with (red and green)	EPO; JPO;	
			DERWENT; IBM_TDB	
-	11	\$5crystal\$5 same (nanometer nm "ANG" nanocrystal) and white near3 light and (trap	USPAT; US-PGPUB;	2003/08/14 19:17
		impurity) same (red and green) and (UV	EPO; JPO;	
		ultraviolet blue) near3 light	DERWENT; IBM TDB	
-	1	\$5crystal\$5 same (nanometer nm "ANG"	USPAT;	2003/08/14 19:17
		nanocrystal) and white near3 light and (trap impurity) with (red and green) and (UV	US-PGPUB; EPO; JPO;	
		ultraviolet blue) near3 light	DERWENT;	
_	4	white near3 light and (trap impurity) same	IBM_TDB USPAT;	2003/08/14 19:18
		(red and green) and (UV ultraviolet blue) near3 light same \$5crystal\$5 same (nanometer	US-PGPUB; EPO; JPO;	
		nm "ANG" nanocrystal)	DERWENT;	
_	262	(252/301.6f).CCLS.	IBM_TDB USPAT;	2003/08/15 10:24
		. , , , , , , ,	US-PGPUB;	
			EPO; JPO; DERWENT;	
_	241	(252/301.6f).CCLS.	IBM_TDB USPAT;	2003/08/15 10:27
_			US-PGPUB	
-	621	((252/301.6f) or (423/508) or (423/509)).CCLS.	USPAT; US-PGPUB	2003/08/15 10:27
			·	

-	15		USPAT;	2003/08/15 10:33
		(423/509)).CCLS.) and white adj light	US-PGPUB;	
			EPO; JPO;	1
			DERWENT;	
		///252/201 (5) am /422/508) am	IBM_TDB	2002/08/15 10:22
-	9	(((252/301.6f) or (423/508) or (423/509)).CCLS.) and white adj light and	USPAT;	2003/08/15 10:33
		(423/509)).CCLS.) and white adj light and (ZnSe CdSe CdS)	US-PGPUB; EPO; JPO;	
		(Ziise case cas)	DERWENT;	
			IBM TDB	
l _	7	(((252/301.6f) or (423/508) or	USPAT;	2003/08/15 10:34
	,	(423/509)).CCLS.) and white adj light and	US-PGPUB;	2003, 00, 13 10.31
		(ZnSe CdSe CdS) and blue and red and green	EPO; JPO;	
		, ,	DERWENT;	1
			IBM TDB	
-	7	(((252/301.6f) or (423/508) or	USPAT;	2003/08/15 10:36
		(423/509)).CCLS.) and white adj light and	US-PGPUB;	
		(ZnSe CdSe CdS) and blue and red and green	EPO; JPO;	
		and (vacancies impurity trap)	DERWENT;	
			IBM_TDB	
-	0	(((252/301.6f) or (423/508) or	USPAT;	2003/08/15 10:37
		(423/509)).CCLS.) and white adj light and	US-PGPUB;	
		blue and red and green and (vacancies	EPO; JPO;	
		impurity trap) same ((cadmium zinc) adj	DERWENT;	
	_	selenide cadmium adj sulfied ZnSe CdSe CdS)	IBM_TDB	2002/09/15 11 15
_	1	6501091.pn.	USPAT; EPO; JPO;	2003/08/15 11:17
i _	,	6501091.pn. and (blue red green)	IBM_TDB USPAT;	2003/08/15 11:17
	_	bide rea green,	EPO; JPO;	2003/00/13 11:17
			IBM TDB	
-	1	6501091.pn. and (blue red green) and white	USPAT;	2003/08/15 11:35
		,	EPO; JPO;	
			IBM TDB	
-	1	6501091.pn. and \$5crystal\$5	USPAT;	2003/08/15 11:40
			EPO; JPO;	
İ .			IBM_TDB	
-	1	6501091.pn. and \$5crystal\$5 and blue and red	USPAT;	2003/08/15 11:43
		and green	EPO; JPO;	
	_	5501001	IBM_TDB	
_	1	6501091.pn. and \$5crystal\$5 and blue same	USPAT;	2003/08/15 11:43
		quantum adj dot	EPO; JPO;	
_	1	6501091.pn. and (\$5crystal\$5 quantum adj	IBM_TDB USPAT;	2003/08/15 11:45
		dot) same blue	EPO; JPO;	5002/00/T2 TT:42
		and, same same	IBM_TDB	
_	0	6501091.URPN.	USPAT	2003/08/15 11:45
	38	blue with (quantum adj dot nanocrystallite	USPAT;	2003/08/15 11:47
		nanocrystal nanocrystalline) and white near3	US-PGPUB;	
		light	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	28	blue with (quantum adj dot nanocrystallite	USPAT;	2003/08/15 11:50
		nanocrystal nanocrystalline) and white near3	US-PGPUB;	
		light and red and green	EPO; JPO;	
			DERWENT;	
	7	hlue with (muentum adi det nancomatellita	IBM_TDB	2002/00/15 12:11
-	/	blue with (quantum adj dot nanocrystallite nanocrystal nanocrystalline) and white near3	USPAT;	2003/08/15 13:11
		light.ab,ti,clm. and red and green	US-PGPUB; EPO; JPO;	
		IIghe.ab,ci,cim. and led and green	DERWENT;	
			IBM TDB	
-	200	(uv ultraviolet blue) with (quantum adj dot	USPAT;	2003/08/15 11:57
		nanocrystallite nanocrystal nanocrystalline)	US-PGPUB;	
		<u> </u>	EPO; JPO;	
			DERWENT;	
			IBM_TDB	

	7	(±: +====::	USPAT;	2003/08/15 11:58
		nanocrystallite nanocrystal nanocrystalline)	US-PGPUB;	
		and ((uv ultraviolet blue) with (quantum adj	EPO; JPO;	
		dot nanocrystallite nanocrystal nanocrystalline) and white near3	DERWENT; IBM_TDB	
		light.ab,ti,clm. and red and green)	184-108	
_	7	(uv ultraviolet blue) with (quantum adj dot	USPAT;	2003/08/15 12:02
		nanocrystallite nanocrystal nanocrystalline)	US-PGPUB;	
		and white near3 light.ab,ti,clm. and red and	EPO; JPO;	
		green	DERWENT;	
			IBM_TDB	
-	6	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2003/08/15 13:12
		nanocrystalline) and (trap vacancy impurity)	US-PGPUB;	
		and white near3 light.ab,ti,clm.	EPO; JPO;	
			DERWENT;	
	6	(quantum adj dot nanocrystallite nanocrystal	IBM_TDB	2003/08/15 13:14
-	•	nanocrystalline nano adj crystal\$5) and	USPAT; US-PGPUB;	2003/08/15 13:14
	!	(trap vacancy impurity) and white near3	EPO; JPO;	
		light.ab,ti,clm.	DERWENT;	
		119	IBM TDB	
-	5	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2003/08/15 13:15
		nanocrystalline nano adj crystal\$5).bi. and	US-PGPUB;	
		(trap vacancy impurity).bi. and white near3	EPO; JPO;	
		light.ab,ti,clm.	DERWENT;	
	_		IBM_TDB	0000 400 45 7 7 7 7
-	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2003/08/15 13:23
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure).bi. and	US-PGPUB;	
		(trap vacancy impurity).bi. and white near3	EPO; JPO; DERWENT;	
		light.ab,ti,clm. not ((quantum adj dot	IBM TDB	
		nanocrystallite nanocrystal nanocrystalline		
		nano adj crystal\$5).bi. and (trap vacancy		
		impurity).bi. and white near3		
	,	light.ab,ti,clm.)		
_	11	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2003/08/15 13:26
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5 near "ANG").bi. and (trap vacancy	EPO; JPO; DERWENT;	
		impurity) same (red and green).bi.	IBM TDB	
_	9		USPAT;	2003/08/15 13:53
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG") same (nanometer nm).bi. and	DERWENT;	
		(trap vacancy impurity)same (red and	IBM_TDB	
	_	green).bi.		0000/00/15
-	2	5422907.pn. and dopant	USPAT;	2003/08/15 13:44
			US-PGPUB; EPO; JPO;	
:			DERWENT;	
į		-	IBM TDB	
_	1	5422907.pn. and dopant	USPAT;	2003/08/15 13:45
			US-PGPUB;	, , == == : ==
			EPO; JPO;	
			IBM_TDB	
-	1	5422907.pn. and (dopant doped doping)	USPAT;	2003/08/15 13:46
}			US-PGPUB;	
	j l		EPO; JPO;	
	3	DNC and white adj light	IBM_TDB USPAT;	2003/08/15 13:47
		Date and writes adj fight	US-PGPUB;	2003/00/13 13:4/
			EPO; JPO;	
			IBM_TDB	
-	1	5422907.pn. and (trap vacancy impurity)	USPAT;	2003/08/15 13:48
			US-PGPUB;	
			EPO; JPO;	
	_	5422007 JIDDN	IBM_TDB	0000/00/57 50 ==
<u>-</u>	6 2	5422907.URPN. ("5038358" "5287373").PN.	USPAT	2003/08/15 13:51
		1 2020220 220/3/3"].FN.	USPAT	2003/08/15 13:51

Page 10

-	19	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5	USPAT; US-PGPUB;	2003/08/15 15:57
		nanostructure nano adj structure crystl\$5 near "ANG") same (ZnSe CdSe CdS zinc adj selenide cadmium adj selenide cadmium adj	EPO; JPO; DERWENT;	
		sulfide).bi. and (trap vacancy impurity dop\$5)same (red and green).bi.	IBM_TDB	
-	6	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5 near "ANG") same (ZnSe CdSe CdS zinc adj selenide cadmium adj selenide cadmium adj	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/08/15 14:21
		sulfide).bi. and (trap vacancy impurity dop\$5) with (red and green).bi.		
-	0	bawendi-mounji.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/15 14:13
-	1	bawendi-mounji-G.in.	IBM_TDB USPAT; US-PGPUB;	2003/08/15 14:13
			EPO; JPO; DERWENT; IBM TDB	
-	45	bawendi.in.	USPAT; US-PGPUB; EPO; JPO;	2003/08/15 14:13
	24	boundi in and officiations.	DERWENT; IBM_TDB	2002/00/25 14 14
	24	bawendi.in. and efficiency	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/15 14:14
-	8	bawendi.in. and efficiency with light	IBM_TDB USPAT; US-PGPUB;	2003/08/15 14:14
			EPO; JPO; DERWENT; IBM_TDB	
-	19	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5 near "ANG") and (white near3	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/15 16:43
-	10	light).ab,ti,clm. ((quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/08/15 14:28
-	0	crystl\$5 near "ANG") and (white near3 light).ab,ti,clm.) and light with efficiency ((quantum adj dot nanocrystallite	DERWENT; IBM_TDB USPAT;	2003/08/15 14:25
		nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5 near "ANG") and (white near3 light).ab,ti,clm.) and light with efficiency	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
_	0	with "%" ((quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj	USPAT; US-PGPUB;	2003/08/15 14:25
		crystal\$5 nanostructure nano adj structure crystl\$5 near "ANG") and (white near3 light).ab,ti,clm.) and light with efficiency with "%"	EPO; JPO; DERWENT; IBM_TDB	
-	19	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5	USPAT; US-PGPUB; EPO; JPO;	2003/08/15 14:27
		near "ANG") and (white near3 light).ab,ti,clm.	DERWENT; IBM_TDB	
-	10	((quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure	USPAT; US-PGPUB; EPO; JPO;	2003/08/15 15:20
		crystl\$5 near "ANG") and (white near3 light).ab,ti,clm.) and light with efficiency	DERWENT; IBM_TDB	

				
-	1	5904994.pn.	USPAT; US-PGPUB;	2003/08/15 15:21
			EPO; JPO;	
			IBM_TDB	
-	1	5904994.pn. and film	USPAT;	2003/08/15 15:42
			US-PGPUB;	
			EPO; JPO; IBM TDB	
_	1	5904994.pn.	USPAT;	2003/08/15 15:43
		-	US-PGPUB;	
			EPO; JPO;	
	_	5004004	IBM_TDB	2002/00/15 15 45
-	1	5904994.pn. and amorphous	USPAT; US-PGPUB;	2003/08/15 15:45
			EPO; JPO;	
			IBM_TDB	
-	1	5904994.pn. and white	USPAT;	2003/08/15 15:51
			US-PGPUB;	
			EPO; JPO; IBM TDB	
_	1	5904994.pn. and film same (sputter\$5	USPAT;	2003/08/15 15:51
		evapor\$6)	US-PGPUB;	, ,
			EPO; JPO;	
		(IBM_TDB	2002/20/25 25 50
-	44	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5	USPAT; US-PGPUB;	2003/08/15 15:58
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG" amorphous) same (ZnSe CdSe CdS	DERWENT;	
	1	zinc adj selenide cadmium adj selenide	IBM_TDB	
		cadmium adj sulfide).bi. and (trap vacancy		
_	29	impurity dop\$5)same (red and green).bi. (amorphous) same (ZnSe CdSe CdS zinc adj	USPAT;	2004/02/12 16:08
	23	selenide cadmium adj selenide cadmium adj	US-PGPUB;	2004/02/12 10.08
		sulfide).bi. and (trap vacancy impurity	EPO; JPO;	
		dop\$5)same (red and green).bi.	DERWENT;	
	49	(amounhous) same (750s odes odes sine odi	IBM_TDB	2002/00/15 15 50
-	49	(amorphous) same (ZnSe CdSe CdS zinc adj selenide cadmium adj selenide cadmium adj	USPAT; US-PGPUB;	2003/08/15 15:59
		sulfide).bi. and (trap vacancy impurity	EPO; JPO;	
		dop\$5 carrier) same (red and green) .bi.	DERWENT;	
		(, , , , , , , , , , , , , , , , , , ,	IBM_TDB	
_	1	(amorphous) same (ZnSe CdSe CdS zinc adj selenide cadmium adj selenide cadmium adj	USPAT;	2003/08/15 16:04
		sulfide).bi. same blue and (trap vacancy	US-PGPUB; EPO; JPO;	
		impurity dop\$5 carrier)same (red and	DERWENT;	
		green).bi. and (white near3	IBM_TDB	
		light).ab,ti,clm.	I I I I I I I I I I I I I I I I I I I	2002/00/25 55 35
-	0	5904994.pn. and nanocrystal\$4	USPAT; US-PGPUB;	2003/08/15 16:04
			EPO; JPO;	
1			DERWENT;	
	_ :		IBM_TDB	
-	0	5904994.pn. and nanocrystal\$6	USPAT;	2003/08/15 16:04
			US-PGPUB; EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	1	5904994.pn. and \$6crystal\$6	USPAT;	2003/08/15 16:05
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	0	5904994.pn. and quantum adj confin\$4	USPĀT;	2003/08/15 16:26
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
-	1	5904994.pn. and blue same size	USPAT;	2003/08/15 16:26
			US-PGPUB;	
]			EPO; JPO;	
			DERWENT;	
L	l,		IBM_TDB	

-	17	(6033972.pn. 6005707.pn. 5989947.pn. 5937295.pn. 5904994.pn. 5882779.pn.	USPAT; EPO	2003/08/15 16:40
		5703896.pn. 5614435.pn. 5613140.pn.		
		5482890.pn. 5442254.pn. 5354707.pn.		
		5260957.pn. 5244828.pn. 5229320.pn.) or		
	25	("9950916" "9614206") (6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/15 16:40
-	33	5937295.pn. 5904994.pn. 5882779.pn.	US-PGPUB;	2003/00/15 16:40
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
	1	5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
	_	("9950916" "9614206")	IIODAM .	2002/00/15 16 42
_	/	((6033972.pn. 6005707.pn. 5989947.pn. 5937295.pn. 5904994.pn. 5882779.pn.	USPAT; US-PGPUB;	2003/08/15 16:43
		5703896.pn. 5614435.pn. 5613140.pn.	EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
		("9950916" "9614206")) and quantum adj		
_	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2003/08/15 16:46
		nanocrystalline nano adj crystal\$5	US-PGPUB;	2003/00/13 10.40
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near3 "ANG") near4 ("ANG" nanometer nm) and	DERWENT;	
		((6033972.pn. 6005707.pn. 5989947.pn.	IBM_TDB	
		5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn.		
		5482890.pn. 5442254.pn. 5354707.pn.		
		5260957.pn. 5244828.pn. 5229320.pn.) or		
		("9950916" "9614206")) and red and green		
-	0	((6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/15 16:46
		5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn.	US-PGPUB; EPO; JPO;	
		5482890.pn. 5442254.pn. 5354707.pn.	DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM_TDB	
		("9950916" "9614206")) and (quantum adj		
		dot nanocrystallite nanocrystal		
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5		
		near3 "ANG") near4 ("ANG" nanometer nm) and		
		red and green		
-	2	((6033972.pn. 6005707.pn. 5989947.pn.	USPAT;	2003/08/15 16:58
		5937295.pn. 5904994.pn. 5882779.pn. 5703896.pn. 5614435.pn. 5613140.pn.	US-PGPUB;	
		5482890.pn. 5442254.pn. 5354707.pn.	EPO; JPO; DERWENT;	
		5260957.pn. 5244828.pn. 5229320.pn.) or	IBM TDB	
		("9950916" "9614206")) and (quantum adj	_	
		dot nanocrystallite nanocrystal		
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5		
		near3 "ANG") with ("ANG" nanometer nm) and		
	ļ .	red and green		
-	2	5882770.pn.	USPAT;	2003/08/15 16:58
			US-PGPUB; EPO; JPO;	
			DERWENT;	
]		IBM_TDB	
-	1	5882770.pn. and blue	USPAT;	2003/08/15 16:58
			US-PGPUB;	
		•	EPO; JPO; DERWENT;	
1			IBM TDB]
-	2	5882779.pn.	USPAT;	2003/08/15 16:58
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
] -	1	5882779.pn.	USPAT;	2003/08/15 16:58
1			US-PGPUB;	
			EPO; JPO;	
ł	L		IBM_TDB	

-	1	5882779.pn. and blue	USPAT; US-PGPUB;	2003/08/15 16:59
			EPO; JPO;	
			IBM TDB	
	10	lacer came reducté came (tranté carrier	USPAT;	2003/08/15 17:42
-	19	laser same reduc\$6 same (trap\$5 carrier vacancy) same (quantum adj dot	US-PGPUB;	2003/00/13 17.42
		nanocrystallite nanocrystal nanocrystalline	EPO; JPO;	
		nano adj crystal\$5 nanostructure nano adj	DERWENT;	
		structure)	IBM TDB	
	2		USPAT;	2003/08/15 17:42
	2	3440200.pm. 3422307.pm.	US-PGPUB;	2003/00/13 17:42
			EPO; JPO;	
			IBM TDB	
_	ا م	(5446286.pn. 5422907.pn.) and white near3	USPAT;	2003/08/15 17:43
i -		light	US-PGPUB;	2003, 00, 20 2, 113
	1		EPO; JPO;	
	•		IBM TDB	·
_	0	(5446286.pn. 5422907.pn.) and blue with	USPAT;	2003/08/15 17:44
		nanocrystal	US-PGPUB;	
			EPO; JPO;	
			IBM TDB	
_	1	(5446286.pn. 5422907.pn.) and blue same	USPAT;	2003/08/15 17:45
		nanocrystal	US-PGPUB;	·
		-	EPO; JPO;	
			IBM_TDB	
-	1	(5446286.pn. 5422907.pn.) and nanocrystal	USPAT;	2003/08/15 17:57
		with (nm nanometer)	US-PGPUB;	
			EPO; JPO;	
			IBM_TDB	
-	46	regents with university with california and	USPAT;	2003/08/15 17:58
1		nanocrystals	US-PGPUB;	
			EPO; JPO;	
			IBM_TDB	
-	19		USPAT;	2003/08/15 17:58
		nanocrystals and (trap vacancy impurity	US-PGPUB;	
		dopant doping doped)	EPO; JPO;	
			IBM_TDB	2002/20/25 17 50
-	21		USPAT;	2003/08/15 17:59
		nanocrystals and (trap\$4 vacancy impurity	US-PGPUB;	
		dopant doping doped)	EPO; JPO;	
	17	the-regents-of-the-university-of-california.as	IBM_TDB	2003/08/15 17:59
-	1 1	and nanocrystals and (trap\$4 vacancy	US-PGPUB;	2003/08/13 17.39
		impurity dopant doping doped)	EPO; JPO;	
		impurity dopant doping doped,	IBM TDB	
_	11	the-regents-of-the-university-of-california.as		2003/08/15 18:01
		and nanocrystals and (trap\$4 vacancy	US-PGPUB;	
		impurity dopant doping doped) and matrix	EPO; JPO;	
			IBM TDB	
_	2	the-regents-of-the-university-of-california.as	USPAT;	2003/08/15 18:03
1		and nanocrystals and (trap\$4 vacancy	US-PGPUB;	
		impurity dopant doping doped) and matrix and	EPO; JPO;	
		white near3 light	IBM_TDB	
-	0			2003/08/15 18:03
		and nanocrystals same (trap\$4 vacancy	US-PGPUB;	
		impurity dopant doping doped) and matrix and	EPO; JPO;	
		white near3 light	IBM_TDB	
-	3		•	2003/08/15 18:03
1		and nanocrystals same (trap\$4 vacancy	US-PGPUB;	
		impurity dopant doping doped) and matrix	EPO; JPO;	
		(minhim add dot namemintallite accession	IBM_TDB	2004/02/12 12 34
⁻	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/12 17:34
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5	US-PGPUB; EPO; JPO;	
		near "ANG").bi. and (trap vacancy impurity)	DERWENT;	
		same (read and green).bi.	IBM TDB	
_	12		USPAT;	2004/02/12 13:00
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. and (trap vacancy impurity)	DERWENT;	
		same (red and green).bi.	IBM TDB	
	لـــــــــــــــــــــــــــــــــــــ	·		L

	1	1 (LYZODAM	1 2004 /02/12 12 44
-	6	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/12 13:44
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5	US-PGPUB; EPO; JPO;	1
		near "ANG").bi. and (trap vacancy impurity)	DERWENT;	
		same (red and green).bi. and white	IBM TDB	İ
-	6		USPAT;	2004/02/12 15:39
		nanocrystalline nano adj crystal\$5	US-PGPUB;	, ,
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. and (trap vacancy impurity)	DERWENT;	
		same (red and green).bi. and white	IBM_TDB	
-	6	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2004/02/12 14:14
		nanocrystal nanocrystalline nano adj crystal\$5 nanostructure nano adj structure	US-PGPUB;	
		crystl\$5 near "ANG").bi. and (trap vacancy	EPO; JPO; DERWENT;	
		impurity) same (red and green).bi. and	IBM TDB	
		white) and white		
-	37	strontium adj sulfide with (blue green red)	USPAT;	2004/02/12 14:35
	į	near4 light	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2004/00/10 14 26
-	3	strontium adj sulfide with (blue green red)	USPAT;	2004/02/12 14:36
		near4 light not blue	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	20	strontium adj sulfide with (blue green red)	USPAT;	2004/02/12 14:39
		near4 red	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	24	strontium adj sulfide with (blue green red)	IBM_TDB	2004/02/12 14:20
-	34	not cerium	USPAT; US-PGPUB;	2004/02/12 14:39
		not certain	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	29	1	USPAT;	2004/02/12 14:40
		not (Ce cerium)	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	1	 (quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/12 14:58
	_	nanocrystalline nano adj crystal\$5	US-PGPUB;	2001, 02, 12 11.50
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. same efficiency same	DERWENT;	
		(white).bi.	IBM_TDB	
-	22	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/12 15:21
		nanocrystalline nano adj crystal\$5 nanostructure nano adj structure crystl\$5	US-PGPUB;	
		near "ANG").bi. same (impurity dopant doped	EPO; JPO; DERWENT;	
		doping trap\$5 activator) same (white).bi.	IBM TDB	
-	80	quantum adj dots near4 defin\$5	USPAT;	2004/02/12 15:23
		- · ·	US-PGPUB;	, ,
			EPO; JPO;	
			DERWENT;	
_		guantum add dotg noawa single add assets?	IBM_TDB	2004/02/20 25 25
-	9	quantum adj dots near4 single adj crystal	USPAT;	2004/02/12 15:25
			US-PGPUB; EPO; JPO;	
]		DERWENT;	
]		IBM TDB	
-	0	quantum adj dots near4 (poly amorphous) adj	USPAT;	2004/02/12 15:26
	[crystal	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
-	25	quantum adj dots near4 (poly amorphous)	IBM_TDB	2004/02/12 15:00
-	23	quantum adj does near4 (pory amorphous)	USPAT; US-PGPUB;	2004/02/12 15:26
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
		· · · · · · · · · · · · · · · · · · ·		

-	121	YAG near5 single adj crystal\$6	USPAT;	2004/02/12 15:39
			US-PGPUB;	
			EPO; JPO;	
ļ	ľ		DERWENT;	
	_		IBM_TDB	
-	0	'4	USPAT;	2004/02/12 15:42
1		nanocrystalline nano adj crystal\$5	US-PGPUB;	
ĺ		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. near4 YAG	DERWENT;	
		/months add dot nanograpallite nanograpal	IBM_TDB USPAT;	2004/02/12 15:42
-	"	(quantum adj dot nanocrystallite nanocrystal nanocrystalline nano adj crystal\$5	US-PGPUB;	2004/02/12 15:42
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. near4 (YAG yttrium adj	DERWENT;	
		aluminum adj garnet)	IBM TDB	
_	0	l	USPAT;	2004/02/12 15:42
		nanocrystalline nano adj crystal\$5	US-PGPUB;	2001, 02, 12 13:12
]	nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. near6 (YAG yttrium adj	DERWENT;	1
		aluminum adj garnet)	IBM TDB	2
-	0	1	USPAT;	2004/02/12 15:43
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. near10 (YAG yttrium adj	DERWENT;	
		aluminum adj garnet)	IBM_TDB	
-	790	, , , , , , , , , , , , , , , , , , ,	USPAT;	2004/02/12 16:09
		selenide cadmium adj sulfide).bi. and (trap	US-PGPUB;	
		vacancy impurity dop\$5)same (red and	EPO; JPO;	
		green).bi.	DERWENT;	
	1	/mas dio- 010 - 11 - 11 - 11 - 11 - 11	IBM_TDB	
-	105	'	USPAT;	2004/02/12 16:09
		selenide cadmium adj sulfide).bi. same (trap vacancy impurity dop\$5)same (red and	US-PGPUB;	
		green).bi.	EPO; JPO;	
		green, br.	DERWENT; IBM TDB	
_	14	(ZnSe CdSe CdS zinc adj selenide cadmium adj	USPAT;	2004/02/12 16:10
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	2004/02/12 18:10
		vacancy impurity dop\$5)same (red and	EPO; JPO;	
		green).bi. same \$4crystal\$6	DERWENT;	
			IBM TDB	
_	12	(ZnSe CdSe CdS zinc adj selenide cadmium adj	USPAT;	2004/02/12 16:10
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	
		vacancy impurity dop\$5)same (red and	EPO; JPO;	
		green).bi. same \$4crystal\$6 and light	DERWENT;	
			IBM TDB	
-	12	· · · · · · · · · · · · · · · · · · ·	USPĀT;	2004/02/12 16:11
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	
1		vacancy impurity dop\$5) same (red and	EPO; JPO;	
		green).bi. same \$4crystal\$6 and ((ZnSe CdSe	DERWENT;	
		CdS zinc adj selenide cadmium adj selenide	IBM_TDB	
		cadmium adj sulfide).bi. same (trap vacancy impurity dop\$5)same (red and green).bi. same		
		\$4crystal\$6 and light)		
-	11	(ZnSe CdSe CdS zinc adj selenide cadmium adj	USPAT;	2004/02/12 16:11
	**	selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	2004/02/12 16:11
		vacancy impurity doped dopant doping) same	EPO; JPO;	
		(red and green).bi. same \$4crystal\$6 and	DERWENT;	
		((ZnSe CdSe CdS zinc adj selenide cadmium	IBM TDB	
		adj selenide cadmium adj sulfide).bi. same		
		(trap vacancy impurity dop\$5) same (red and		
		green).bi. same \$4crystal\$6 and light)		
-	11	(ZnSe CdSe CdS zinc adj selenide cadmium adj	USPAT;	2004/02/12 16:12
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	
		vacancy impurity doped dopant doping) same	EPO; JPO;	
		(red and green).bi. same \$4crystal\$6 and	DERWENT;	
L		light	IBM_TDB	

	-			T 1
-	11	·	USPAT;	2004/02/12 16:12
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	
	}	vacancy impurity doped dopant doping) same	EPO; JPO;	
		(red and green).bi. same \$4crystal\$6 and	DERWENT;	
		((ZnSe CdSe CdS zinc adj selenide cadmium adj selenide cadmium adj sulfide).bi. same	IBM_TDB	
		(trap vacancy impurity doped dopant		
		doping) same (red and green).bi. same		
		\$4crystal\$6 and light)		
1_	11	(ZnSe CdSe CdS zinc adj selenide cadmium adj	USPAT;	2004/02/12 16:12
-	1	selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	2004/02/12 10.12
		vacancy impurity doped dopant doping) same	EPO; JPO;	
		(red and green).bi. same \$4crystal\$6 and	DERWENT;	
		light	IBM TDB	
-	11	I . =	USPAT;	2004/02/12 16:45
		selenide cadmium adj sulfide).bi. same (trap	US-PGPUB;	, ,
		vacancy impurity doped dopant doping) same	EPO; JPO;	
		(red and green).bi. same \$4crystal\$6 and	DERWENT;	
		((ZnSe CdSe CdS zinc adj selenide cadmium	IBM_TDB	
		adj selenide cadmium adj sulfide).bi. same	_	
		(trap vacancy impurity dop\$5)same (red and		
		green).bi. same \$4crystal\$6 and light)		
-	1	lee-howard-w-h.in. smith-christine-a.in.	USPAT;	2004/02/12 16:46
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
-	81	university-of-california.as.	USPAT;	2004/02/12 16:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		II C donoutment of oneses of	IBM_TDB	0004/00/10 16 40
-	2	U-S-department-of-energy.as.	USPAT;	2004/02/12 16:48
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	72	U-S-department-of-energy.as.	IBM_TDB USPAT;	2004/02/12 16:48
-	/2	United-States-department-of-energy.as.	US-PGPUB;	2004/02/12 16:48
		onited states department-or-energy.as.	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	72	U-S-department-of-energy.as.	USPAT;	2004/02/12 16:49
		United-States-department-of-energy.as.	US-PGPUB;	
]	department-of-energy-u-s.as.	EPO; JPO;	
		department-of-energy-united-states.as.	DERWENT;	
			IBM_TDB	
-	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/12 16:50
		nanocrystalline nano adj crystal\$6	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG").bi. and	DERWENT;	
		(U-S-department-of-energy.as.	IBM_TDB	
		United-States-department-of-energy.as.		
		department-of-energy-u-s.as.		
	_	department-of-energy-united-states.as.)		
-	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/18 19:19
	1	nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
	ĺ	near "ANG").bi. and (trap vacancy impurity)	DERWENT;	
_	29	same (cyan and yellow).bi.	IBM_TDB	2004/02/20 27 47
-	29	trap\$4 near3 size.bi. same (laser incandescent adj lamp arc adj lamp electron	USPAT;	2004/02/12 17:41
		adj beam)	US-PGPUB;	
1		au scam,	EPO; JPO; DERWENT;	
			IBM TDB	
	442	252/301.6r	USPAT;	2004/02/13 12:13
]			US-PGPUB	2007/02/13 12:13
I -	316	423/508	USPAT;	2004/02/13 12:13
		·· , - · - -	US-PGPUB	
-	2128	313/506	USPAT;	2004/02/13 12:13
		·	US-PGPUB	= 20-, 00, 10 12.15
L				

	0	(crystl\$5 near3 ("ANG" nanometer nm)).bi.	USPAT;	2004/02/13 12:15
		same (trap vacancy impurity) same (red same	US-PGPUB;	
		green white cyan same yellow).bi.	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	271	252/301.6f	USPAT;	2004/02/13 12:16
			US-PGPUB	
-	654	252/301.6s	USPAT;	2004/02/13 12:16
			US-PGPUB	
-	288	423/509	USPAT;	2004/02/13 12:16
			US-PGPUB	
_	466	257/100	USPAT;	2004/02/13 12:36
			US-PGPUB	
-	1	6322901.pn.	USPAT;	2004/02/13 12:36
			US-PGPUB	
-	1	6322901.pn. and white	USPAT;	2004/02/13 12:36
			US-PGPUB	
-	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/18 19:21
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG" crystl\$5 near3 ("ANG" nanometer	DERWENT;	
		nm)).bi. same white same ("lm/w" "lm./w."	IBM_TDB	
		"lumen/w" "lumen/watt")		
-	0	(quantum adj dot nanocrystallite nanocrystal	USPAT;	2004/02/18 19:21
		nanocrystalline nano adj crystal\$5	US-PGPUB;	
		nanostructure nano adj structure crystl\$5	EPO; JPO;	
		near "ANG" crystl\$5 near3 ("ANG" nanometer	DERWENT;	
		nm)).bi. same white same ("lm/w" "lm./w."	IBM_TDB	
		"lumen/w" "lumen/watt" "lm/watt")		